



CONSTRUCTION EQUIPMENT

SPM717592 HOLCIM VOLVO L350H 5025 - DIESEL ENGINE



Sample No: VCP443759
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM717592 HOLCIM



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



SAMPLE INFORMATION

Sample Number	VCP443759	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	2651	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	59	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1053	---	---	---
Magnesium	ppm	█ 927	---	---	---
Zinc	ppm	█ 1219	---	---	---
Phosphorus	ppm	█ 1036	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO8885
Unique No: 11087214
Signed: Wes Davis
Report Date: 20 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

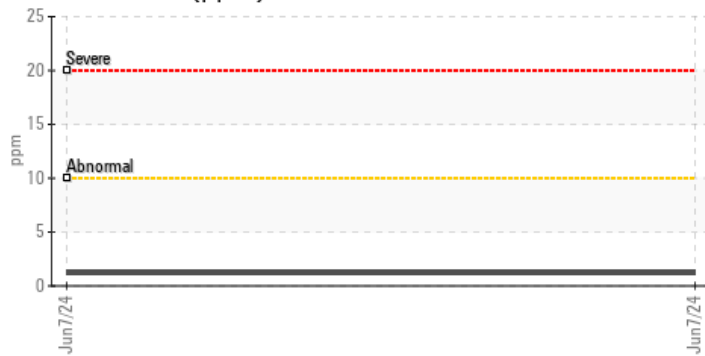
Iron (ppm)



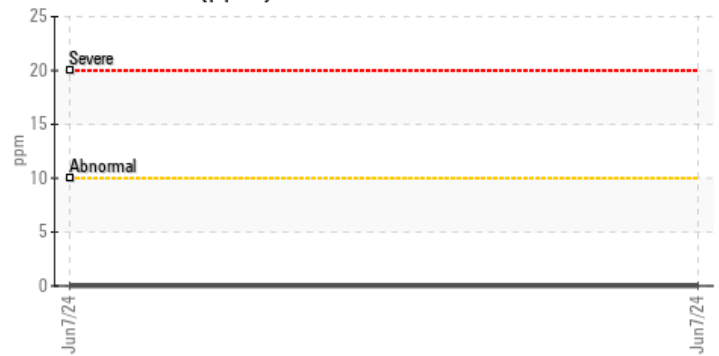
Lead (ppm)



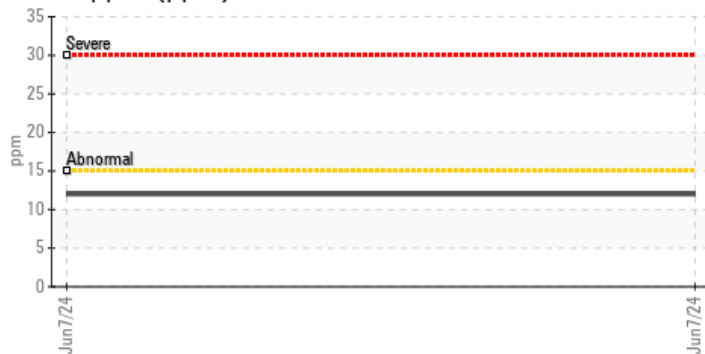
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number





CONSTRUCTION EQUIPMENT

SPM717592 HOLCIM VOLVO L350H 5025 - TRANSMISSION (MANUAL)



Sample No: VCP443758
Oil Type: TDTO FLUID SAE 30
Job No: SPM717592 HOLCIM



SAMPLE INFORMATION

Sample Number	VCP443758	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	2651	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 39.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 4176	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 1730	---	---	---
Phosphorus	ppm	■ 1426	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 149	---	---	---

Depot: VOLVO8885
Unique No: 11088055
Signed: Sean Felton
Report Date: 21 Jun 2024

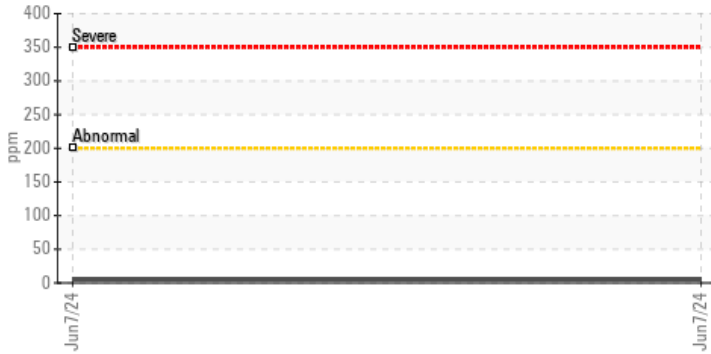


CONSTRUCTION EQUIPMENT

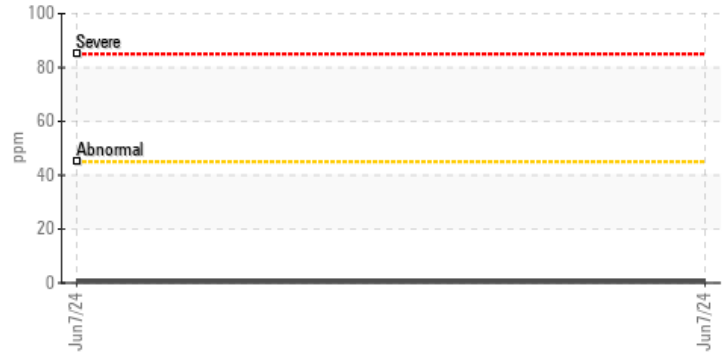


GRAPHS

Iron (ppm)



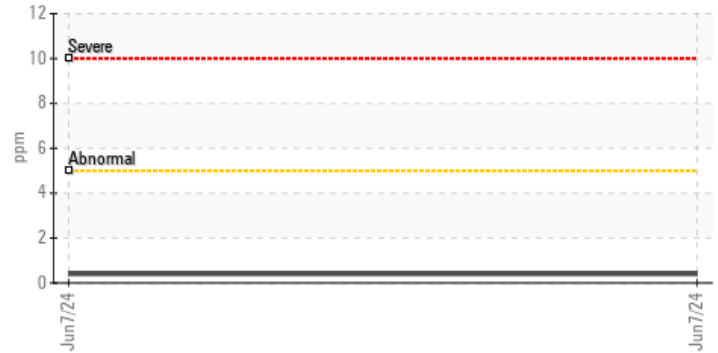
Lead (ppm)



Aluminum (ppm)



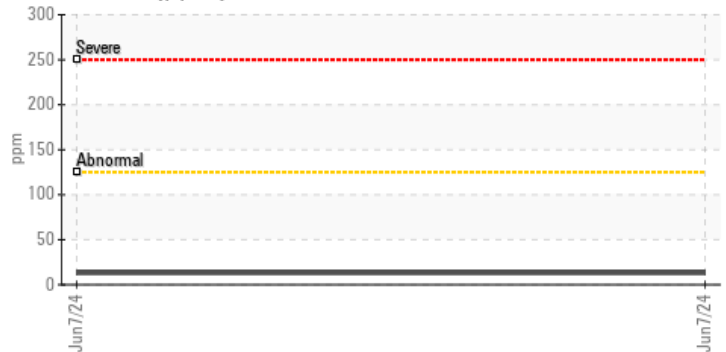
Chromium (ppm)



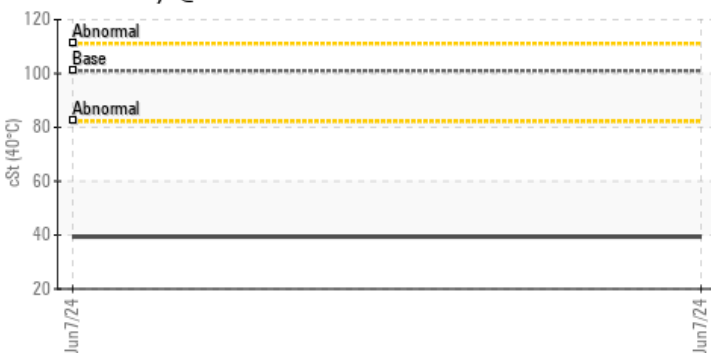
Copper (ppm)



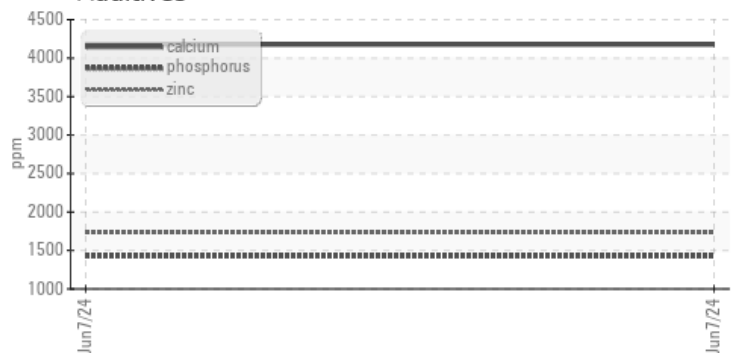
Silicon (ppm)



Viscosity @ 40°C



Additives





CONSTRUCTION EQUIPMENT

SPM717592 HOLCIM VOLVO L350H 5025 - HYDRAULIC SYSTEM



Sample No: VCP439171
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM717592 HOLCIM



SAMPLE INFORMATION

Sample Number	VCP439171	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	2651	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 47.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.20	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1216	---	---	---
Particles >6µm		█ 401	---	---	---
Particles >14µm		█ 23	---	---	---
ISO 4406:1999 (c)		█ 17/16/12	---	---	---
Silicon	ppm	█ 0	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 0	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 35	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 394	---	---	---
Phosphorus	ppm	█ 284	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8885
Unique No: 11087438
Signed: Wes Davis
Report Date: 20 Jun 2024

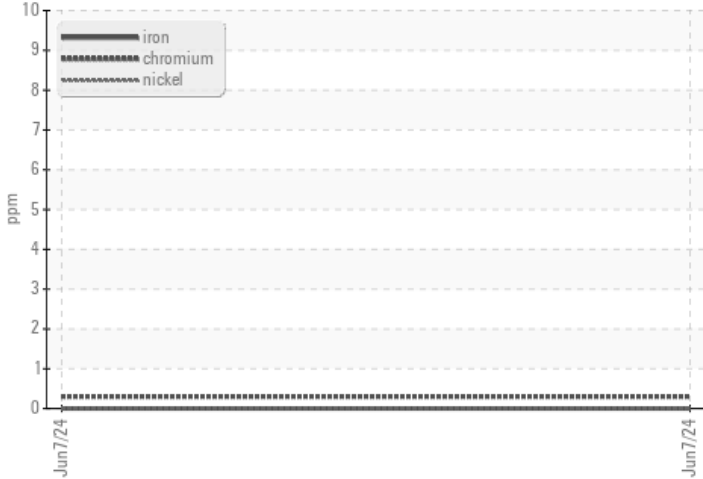


CONSTRUCTION EQUIPMENT

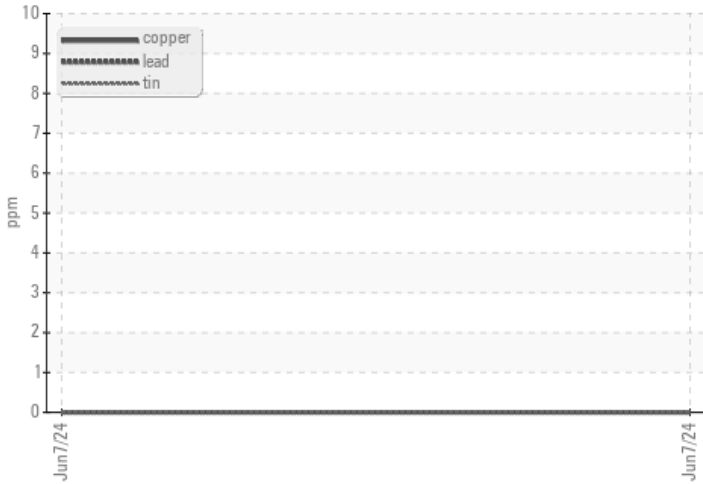


VOLVO GRAPHS

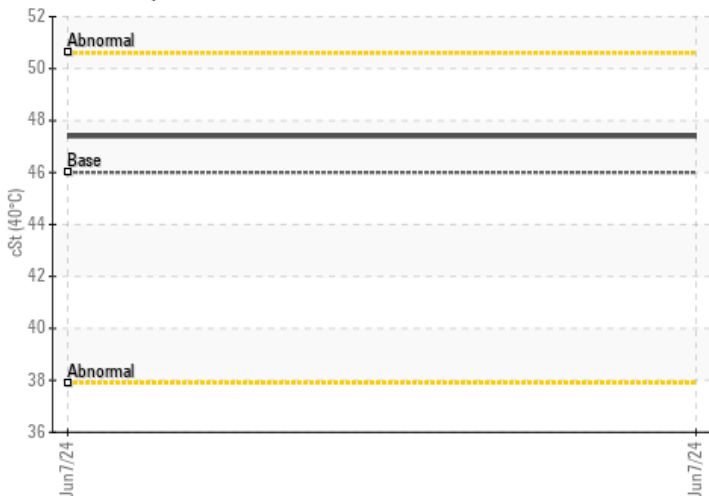
Ferrous Alloys



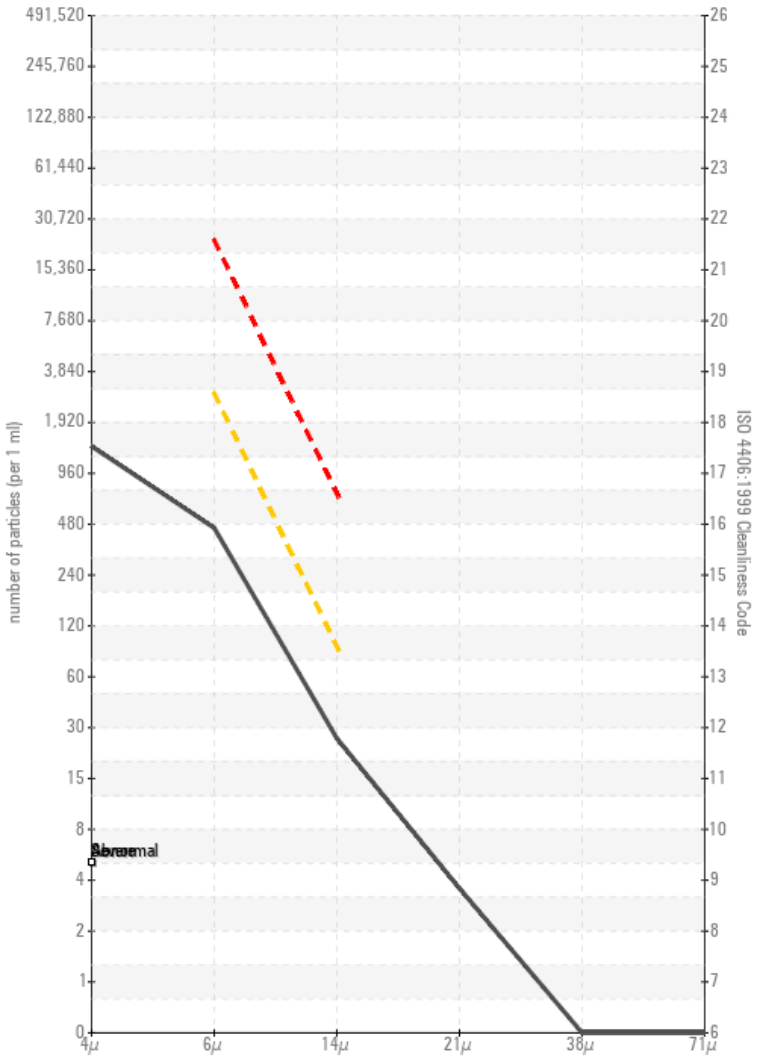
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

